



Missouri Gypsy Moth Survey Report 2017

Annual Summary
Of The Missouri Cooperative
Gypsy Moth Survey Program

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50 YEARS OF GYPSY MOTH SURVEY IN MISSOURI!!

2017 Gypsy Moth Survey Results

A total of five moths were reported from our multi-agency, statewide survey. The moths were captured in the following counties: Jefferson (1), St. Louis (3) and Stoddard (1). This is the first time a gypsy moth has been captured in Stoddard County. Two of the moths were captured in a delimit area where two moths in one trap were captured in 2016.

All five moths were forwarded to the USDA OTIS lab for molecular testing and four were found negative for Asian Gypsy moth. The fifth sample was inconclusive.

Approximately 6,396 pheromone traps were placed around the state (59 of 114 counties) by all cooperators in the annual effort to detect the presence of this damaging insect pest. Primary trapping agencies were Missouri Department of Agriculture, Missouri Department of Conservation and USDA-APHIS-PPQ, with additional trapping conducted by U.S. Army and Missouri National Guard.

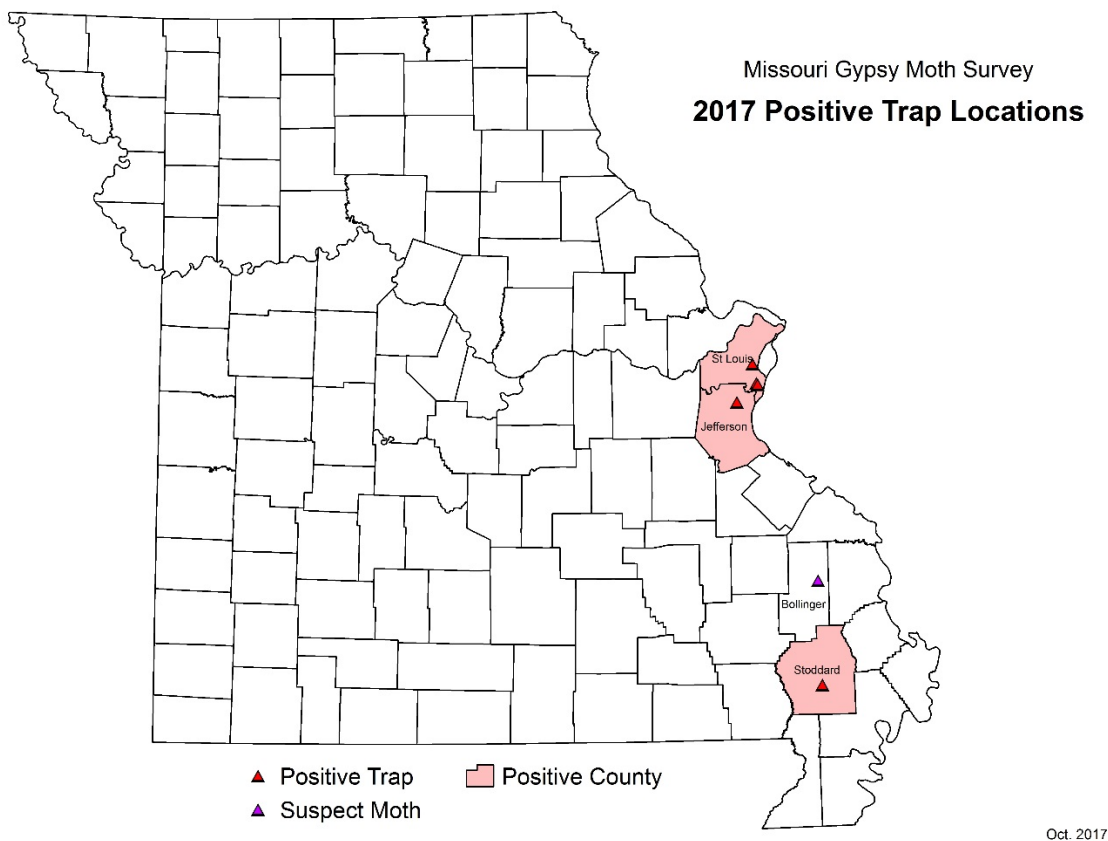


Figure 1. 2017 Missouri Gypsy Moth Positives

*Only 2 positives (red triangles) are represented in St. Louis County, however 3 captured, as 2 caught in same delimit and overlap each other.

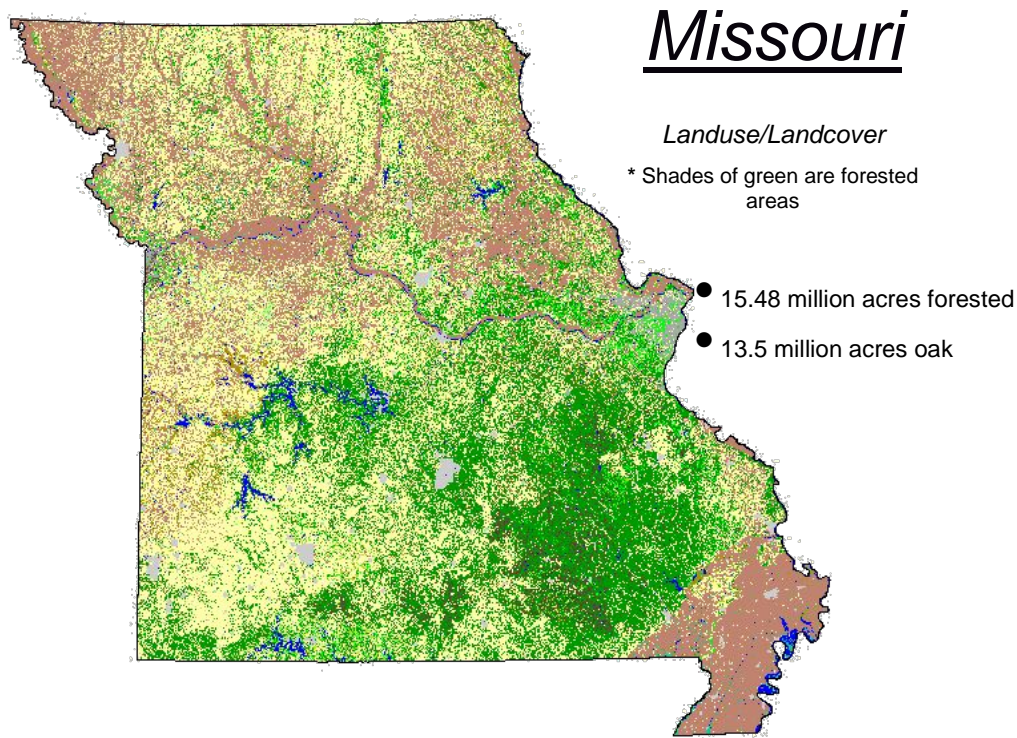


Figure 2. Missouri's Forested Area

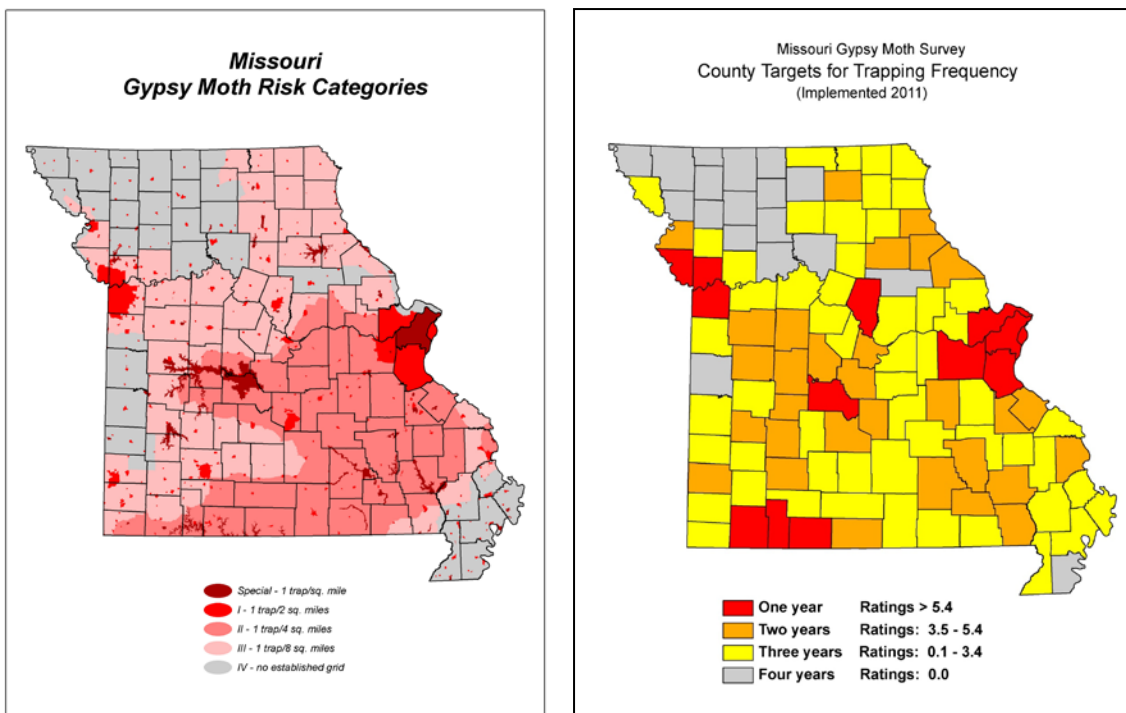


Figure 3. Gypsy Moth Risk Categories and Trap Densities (on left) and County Trapping Frequency (on right). Counties are surveyed every 1-4 years in the red areas indicated on the map on the left.

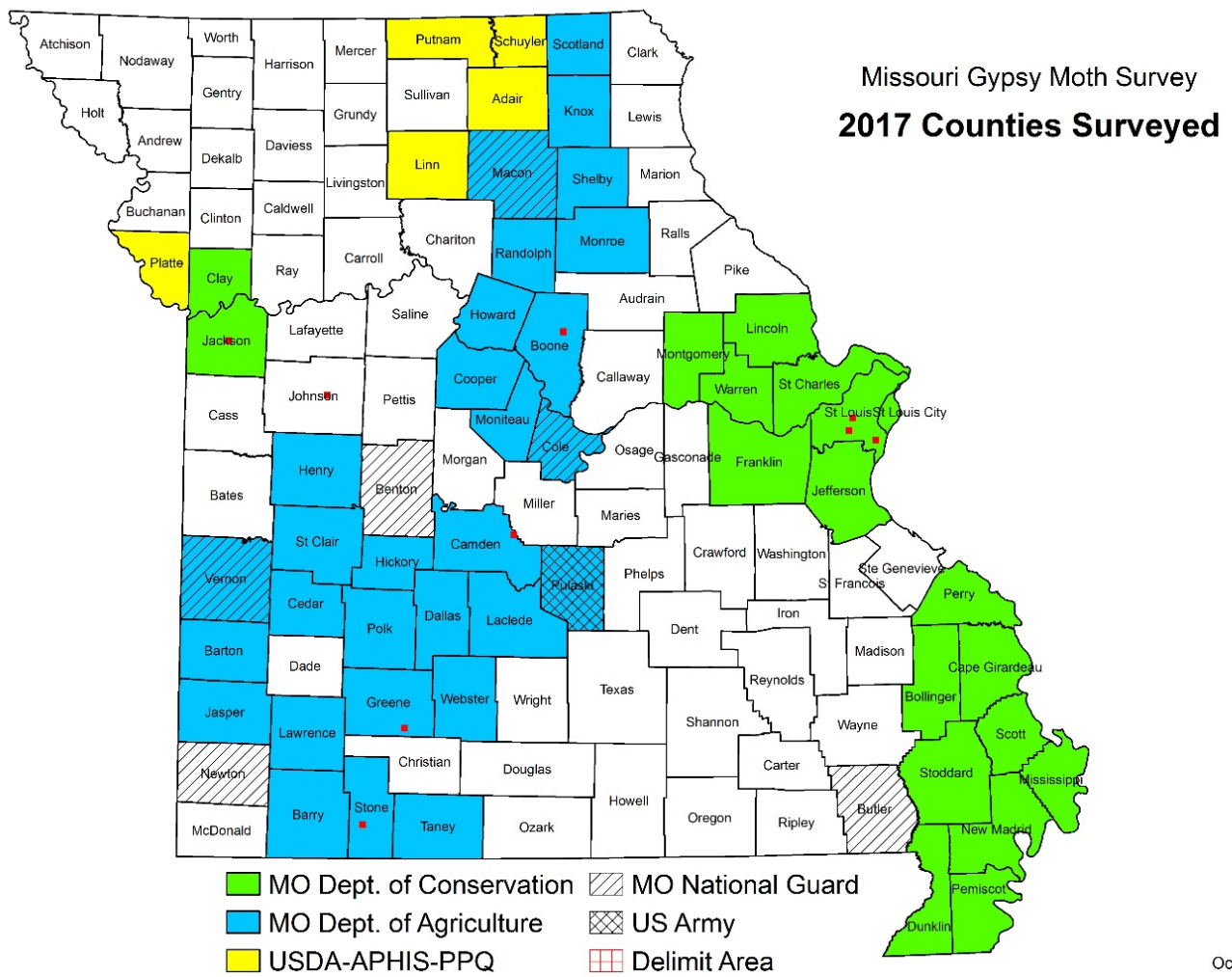


Figure 4. Missouri Gypsy Moth Survey Agency Trapping Assignments for 2017 (59 Counties Surveyed (53-full survey and 6-partial survey))

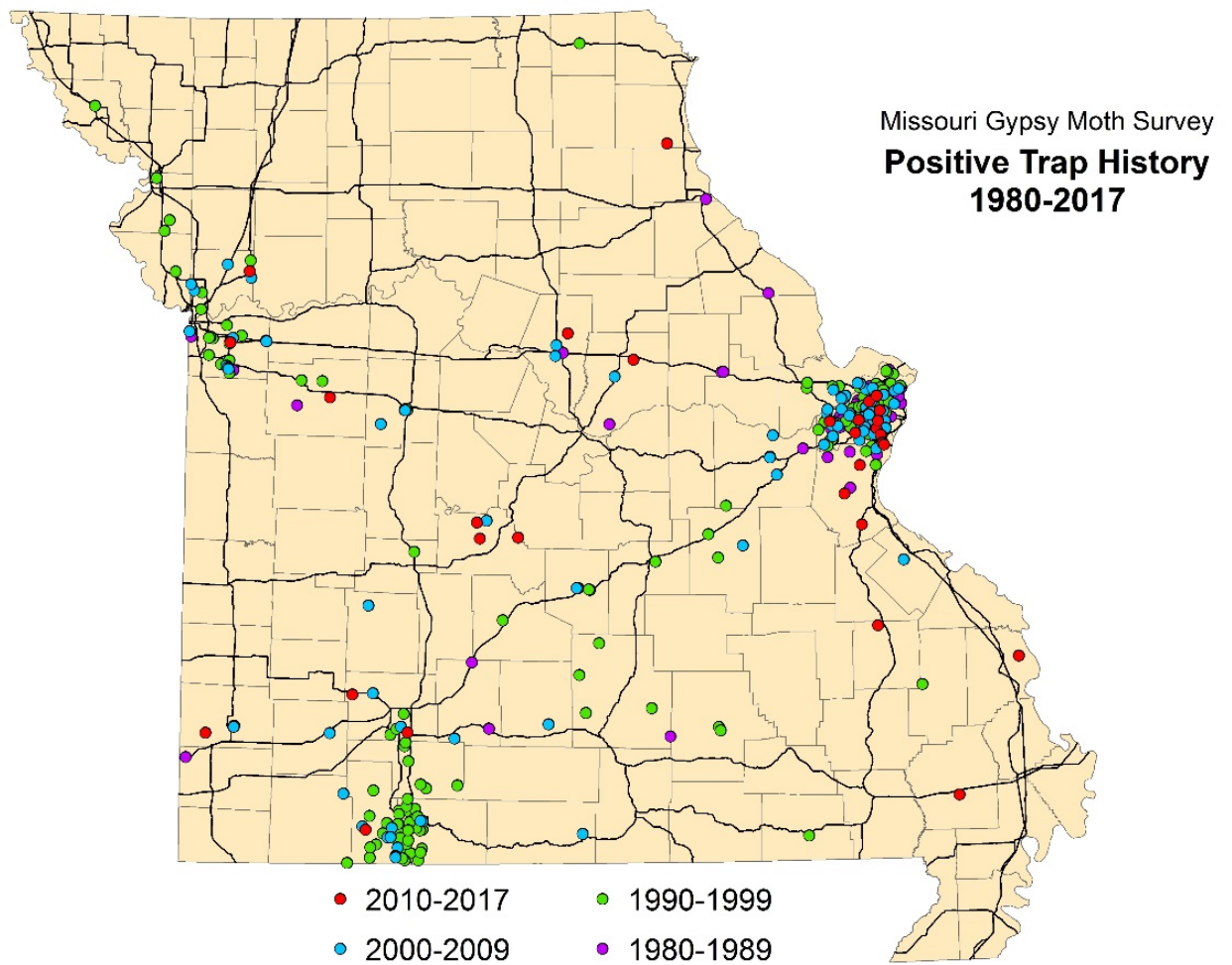


Figure 5. Gypsy moth captures 1980-2016

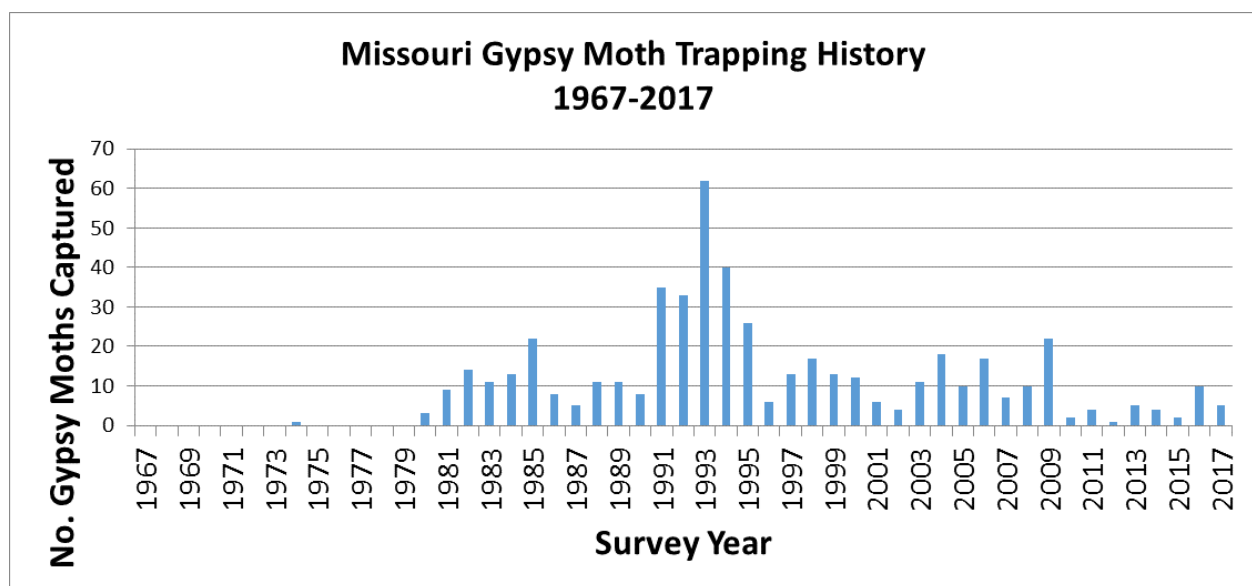


Figure 6. Historic Gypsy Moth Trapping Data in Missouri